

**Table A-1**  
**Alphabetical Listing of Documents in the Beta Version of the Site Characterization Library Version 3.0**

<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
3-D Gamma Ray Imaging for Soil (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1999)	8/1/1999	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
3-D Seismic Imaging Survey for DNAPL (Naval Facilities Engineering Command, 1999)	11/1/1999	Naval Facilities Engineering Command
Adaptive Sampling and Analysis Programs (ASAP) Brochure (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2001)	12/1/2001	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Adaptive Sampling and Analysis Programs for Soil and Groundwater at Multiple Sites (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2001)	8/1/2001	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Adaptive Sampling and Analysis Programs for Soil at Hanscomb Air Force Base (EPA Environmental Technology Initiative)	--	EPA Environmental Technology Initiative
Advanced Passive Acoustic Leak Location and Detection Verification System for Underground Fuel Pipelines (US DoD, 2003)	4/1/2003	US DoD
Airborne Lead Analyzer (U.S. Department of Defense Environmental Security Technology Certification Program, 2002)	1/1/2002	U.S. Department of Defense Environmental Security Technology Certification Program
Alpha Emitter Counter for Surface Water, Groundwater and Process Water (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2000)	4/1/2000	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Analysis of Nitroglycerine in Soils and On Mortar Fins Using GC-TID (U. S. Army Corps of Engineers - CRREL, 2002)	2/1/2002	U. S. Army Corps of Engineers - CRREL
Analytical Method Modification Program - How to Apply (TNRCC Regulatory Guidance Compliance Support Division, 2001)	2/1/2001	TNRCC Regulatory Guidance Compliance Support Division
Applications of Synthetic Aperture Radar to UXO Delineation (UXO-0126)		
Applying the Concept of Effective Data to Environmental Analyses for Contaminated Sites (EPA, 2001)	10/1/2001	EPA
Arizona Water Quality Assurance Revolving Fund (WQARF) Guidance Document for Conducting Preliminary Investigations (version 2.0)	--	--
Assessing Contractor Capabilities for Streamlined Site Investigations (EPA Office of Solid Waste and Emergency Response, 2000)	1/1/2000	EPA Office of Solid Waste and Emergency Response

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Assessing Intrinsic Remediation Of TCE Using A Novel Field Approach (EPA Office of Research and Development, 1998)	1/1/1998	EPA Office of Research and Development
Assessing Potential Indoor Air Impacts for Superfund Sites (U.S. EPA Office of Air Quality Planning and Standards, 1992)	9/1/1992	U.S. EPA Office of Air Quality Planning and Standards
Assessment of Protocols for Splitting Soil Samples (2002)		
Assessment of Sampling Error Associated with Collection and Analysis of Soil Samples at a Firing Range Contaminated with HMX Special Report 97-22 (Special Report 97-22, U. S. Army Corps of Engineers - CRREL, 1997)	9/1/1997	Special Report 97-22, U. S. Army Corps of Engineers - CRREL
Assessment of Sampling Error Associated with Collection and Analysis of Soil Samples at Explosives-Contaminated Sites (Special Report 96-15, U. S. Army Corps of Engineers - CRREL, 1996)	9/1/1996	Special Report 96-15, U. S. Army Corps of Engineers - CRREL
Basewide Hydrogeologic Characterization Case Study: Naval Air Weapons Stations China Lake (US EPA Office of Solid Waste and Emergency Response)		US EPA Office of Solid Waste and Emergency Response
Behavior and Determination of Volatile Organic Compounds in Soil A Literature Review (Office of Research and Development, 1993)	5/1/1993	Office of Research and Development
Benthic Flux Sampling Device for Marine Sediments (U.S. Department of Defense Environmental Security Technology Certification Program, 2000)	11/1/2000	U.S. Department of Defense Environmental Security Technology Certification Program
Best Demonstrated Available Technology (BDAT)-Background Document for Quality Assurance/Quality Control Procedures and Methodology (U. S . Environmental Protection Agency Office of Solid Waste, 1991)	10/23/1991	U. S . Environmental Protection Agency Office of Solid Waste
BetaScint Fiber-Optic Sensor for Detection Strontium-90 and Uranium-238 (U.S. Department of Energy, Office of Environmental Management, Office of Science and Technology, 1998)	12/1/1998	U.S. Department of Energy, Office of Environmental Management, Office of Science and Technology
Binding Enzyme Immunoassay Test Kit for Soil and Solvent Extract (EPA Office of Research and Development National Exposure Research Laboratory, 1998)	8/1/1998	EPA Office of Research and Development National Exposure Research Laboratory
Bioluminescent Toxicity Test for Marine Sediments (Naval Facilities Engineering Command, 2000)	2/1/2000	Naval Facilities Engineering Command
Bladder Pump and Pump Cycle Controller for groundwater (EPA Office of Research and Development Environmental Technology Verification Program, 2000)	8/1/2000	EPA Office of Research and Development Environmental Technology Verification Program
Business of Making a Lab Field-Portable (2000)	12/1/2000	--

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Catalog of Hazardous Waste and Solid Waste Publications, Thirteenth Edition (Solid Waste and Emergency Response, 2000)	9/1/2000	Solid Waste and Emergency Response
Characterization of Hazardous Waste Sites - A Methods Manual, Volume 1, Site Investigations (EPA Environmental Monitoring Systems Laboratory, 1985)	4/1/1985	EPA Environmental Monitoring Systems Laboratory
Characterization of Hazardous Waste Sites - A Methods Manual: Volume II. Available Sampling Methods, Second Edition (EPA, 1984)	12/1/1984	EPA
Characterization of Mine Leachates and the Development of a Groundwater Monitoring Strategy for Mine Sites (EPA Office of Research and Development, 1999)	2/1/1999	EPA Office of Research and Development
Characterizing Heterogeneous Wastes: Methods and Recommendations (Office of Research and Development and U.S. Department of Energy, 1992)	2/1/1992	Office of Research and Development and U.S. Department of Energy
Chemical Quality Assurance for HTRW Projects (U.S. Army Corps of Engineers, 1997)	10/1/1997	U.S. Army Corps of Engineers
Chemical, Physical, and Biological Properties of Compounds Present at Hazardous Waste Sites: Final Report (Prepared for EPA by Clement Associates, Inc., 1985)	9/27/1985	Prepared for EPA by Clement Associates, Inc.
Clarification Regarding Use of SW-846 Method (EPA Technology Innovation Office, 1998)	8/7/1998	EPA Technology Innovation Office
Clarifying DQO Terminology Usage to Support Modernization of Site Cleanup Practice (EPA Office of Solid Waste and Emergency Response, 2001)	8/1/2001	EPA Office of Solid Waste and Emergency Response
Clarifying the Use of SW-846 Test Methods: Current Perspectives in Site Remediation and Monitoring (2001)	10/1/2001	--
Compendium of ERT Groundwater Sampling Procedures (EPA Office of Solid Waste and Emergency Response, 1999)	1/1/1999	EPA Office of Solid Waste and Emergency Response
Compendium of Superfund Field Operations Methods (EPA Office of Solid Waste and Emergency Response, 1987)		
Compilation of Groundwater Models (Colorado School of Mines, and Purdue University, Indiana, 1993)	5/1/1993	Colorado School of Mines, CO and Purdue University, IN
Conceptual Site Models for Ordnance and Explosives (OE) and Hazardous, Toxic, and Radioactive Waste (HTRW) Projects (Department of the Army, U.S. Army Corps of Engineers, 2003).	2/3/2003	Department of the Army, U.S. Army Corps of Engineers
Conducting Remedial Investigations/Feasibility Studies for CERCLA Municipal Landfill Sites (EPA Superfund, 1991)	2/1/1991	EPA Superfund

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Cone Penetrometer Deployed Electrical Resistance Tomography and Ground Penetrating Radar for Soil (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2000)	4/1/2000	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Cone Penetrometer for Soil and Groundwater (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1996)	4/1/1996	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Cone Penetrometer Internal Reflection Sensor for NAPL (U.S. Department of Energy National Energy Technology Laboratory, 2001)	10/1/2001	U.S. Department of Energy National Energy Technology Laboratory
Continuous Multichannel Tubing System for Groundwater (Naval Facilities Engineering Command, 2001)	8/1/2001	Naval Facilities Engineering Command
Core Barrel Sampler for Subsurface Soil (EPA Office of Research and Development Environmental Technology Verification Program, 1998)	8/1/1998	EPA Office of Research and Development Environmental Technology Verification Program
Cost-Effective Sampling of Groundwater Monitoring Wells	--	--
Cryogenic Drilling for Sand and Gravel (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1998)	10/1/1998	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Description and Sampling of Contaminated Soils- A Field Pocket Guide (Center for Environmental Research Information, 1991)	11/1/1991	U.S. EPA, Cincinnati, OH
Detecting Metallic Primary Explosives with a Portable X-ray Fluorescence Spectrometer (CRREL, 1997)	Apr-97	CRREL
Determination of Nitroaromatic, Nitramine, and Nitrate Ester Explosives in Water Using SPE and GC-ECD (CRREL, 1998)	Jun-98	CRREL
Diffusion Membrane Samplers for Groundwater (Naval Facilities Engineering Command, 2000)	9/1/2000	Naval Facilities Engineering Command
Direct Sampling Ion Trap Mass Spectrometry for Soil and Groundwater (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1998)	12/1/1998	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Directory of Technology Support Services to Brownfields Localities (EPA Office of Solid Waste and Emergency Response, 1999)	11/1/1999	EPA Office of Solid Waste and Emergency Response
DNAPL Site Evaluation (Robert S. Kerr Environmental Research Laboratory)	--	Robert S. Kerr Environmental Research Laboratory
DOT Regulations for Sample Shipment	--	--
DQO training workbook (DOE)	--	DOE

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Dual Tube Liner Sampler for Subsurface Soil (EPA Office of Research and Development Environmental Technology Verification Program, 1998)	8/1/1998	EPA Office of Research and Development Environmental Technology Verification Program
Dugway Proving Ground Installation Restoration Program GIS: Software Documentation and Training Materials (U. S. Army Corps of Engineers - CRREL, 2003)	7/1/2003	U. S. Army Corps of Engineers - CRREL
Dynamic Site Investigation Adaptive Sampling and Analysis Program for Operable Unit 1 at Hanscom Air Force Base, Bedford, Massachusetts (Robbat, Albert, Jr., Tufts University, Chemistry Department Center for Field Analytical Studies and Technology for EPA Region I, Office of Site Remediation and Restoration and Office Of Environmental Measurement and Evaluation)		
Dynamic Work Plan for Remediation of Soil (U.S. Army Corps of Engineers Hazardous, Toxic, and Radioactive Waste Center of Expertise, 2000)	5/1/2000	U.S. Army Corps of Engineers Hazardous, Toxic, and Radioactive Waste Center of Expertise
Ecological Soil Screening Level Guidance. Draft (EPA Office of Emergency and Remedial Response, 2000)	1/1/2000	EPA Office of Emergency and Remedial Response
Electrical Conductivity of Soil and Groundwater at a Gas Manufacturing and Electrical Generation Site	--	--
Electrical Conductivity of Soil and Groundwater at an UST Site	--	--
Electrical Resistance Tomography for Soil (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2000)	6/1/2000	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Electrochemical Analyzer for Soil and Solvent Extract (EPA Office of Research and Development National Exposure Research Laboratory, 1998)	8/1/1998	EPA Office of Research and Development National Exposure Research Laboratory
Electromagnetic 3-D Resistivity Surveys for DNAPL (U.S. Department of Defense Environmental Security Technology Certification Program, 2000)	11/1/2000	U.S. Department of Defense Environmental Security Technology Certification Program
Electromagnetic Borehole Flowmeter for Groundwater (EPA Office of Research and Development National Risk Management and Research Laboratory, 1998)	8/1/1998	EPA Office of Research and Development National Risk Management and Research Laboratory
Electromagnetic Induction and Magnetic Sensor Fusion (U.S. Department of Defense Environmental Security Technology Certification Program, 2001)	3/1/2001	U.S. Department of Defense Environmental Security Technology Certification Program
Electromagnetic/Seismic Reflection/Seismic Modeling Technologies for Soil and Groundwater at an Air Force Base	--	--
Engineered Approaches to In Situ Bioremediation of Chlorinated Solvents: Fundamentals and Field Applications (EPA, 2000)	7/1/2000	EPA

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Engineering and Design - Remote Sensing (U. S. Army Corps of Engineers, 2003)	10/1/2003	U. S. Army Corps of Engineers
Environmental Business Council Resources (EPA Office of Solid Waste and Emergency Response and Technology Innovation Office, 1997)	1/1/1997	EPA Office of Solid Waste and Emergency Response and Technology Innovation Office
Environmental Fate of Selected Polynuclear Aromatic Hydrocarbons (U.S. EPA Office of Toxic Substance, 1976).	1976	U.S. EPA Office of Toxic Substance
Environmental Technology Verification (ETV) Fact Sheet (EPA Office of Research and Development, 1999)	7/1/1999	EPA Office of Research and Development
Enzyme-Linked Immunosorbent Assay for Soil and Solvent Extract (EPA Office of Research and Development National Exposure Research Laboratory, 1998)	12/1/1998	EPA Office of Research and Development National Exposure Research Laboratory
Enzyme-Linked Immunosorbent Assay System for Soil and Solvent Extract (EPA Office of Research and Development National Exposure Research Laboratory, 1998)	8/1/1998	EPA Office of Research and Development National Exposure Research Laboratory
EPA Guidance for Quality Assurance Project Plans EPA QA/G-5 (EPA Office of Research and Development, 1998)	2/1/1998	EPA Office of Research and Development
EPA New England Compendium of Quality Assurance Project Plan Requirements and Guidance (U.S. EPA, Office of Environmental Measurement and Evaluation, 1999)	10/1/1999	U.S. EPA, Office of Environmental Measurement and Evaluation
EPA Observational Economy Series. Volume 1. Composite Sampling (Policy, Planning, And Evaluation, 1995)	8/1/1995	Policy, Planning, And Evaluation
EPA Observational Economy Series. Volume 2. Ranked Set Sampling (Policy, Planning, And Evaluation, 1995)	8/1/1995	Policy, Planning, And Evaluation
EPA REACH IT (on-line vendors list) Fact Sheet EPA 542-F-99-001 (EPA Office of Solid Waste and Emergency Response, 2003)	6/23/2003	EPA Office of Solid Waste and Emergency Response
EPA Region 1 - Immunoassay Guidelines (US EPA-New England: Office of Environmental Measurement and Evaluation, 1996)	10/1/1996	US EPA-New England Office of Environmental Measurement and Evaluation
EPA Requirements for Quality Assurance Project Plans (QA/R-5) (EPA, 2001)	3/1/2001	EPA
EPA Requirements for Quality Management Plans (QA/R-2) - Interim Final (EPA Office of Environmental Information, 2001)	1/1/2001	EPA Office of Environmental Information
EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (U.S. EPA Office of Environmental Measurement and Evaluation, New England, 1996)	7/1/1996	U.S. EPA Office of Environmental Measurement and Evaluation, New England

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Estimating Potential for Occurrence of DNAPL at Superfund Sites (Robert S. Kerr Environmental Research Laboratory and Office of Solid Waste and Emergency Response, 1992)	1/1/1992	Robert S. Kerr Environmental Research Laboratory and Office of Solid Waste and Emergency Response
Estimating the Total Concentration of VOCs in Soil: A Decision Tool for Sample Handling (U. S. Army Corps of Engineers - CRREL, 1997)	4/1/1997	U. S. Army Corps of Engineers - CRREL
Evaluating the Hanby Test Kits for Screening Soil and Groundwater for TPH: Field Demonstration (U. S. Army Corps of Engineers - CRREL, 2000)	6/1/2000	U. S. Army Corps of Engineers - CRREL
Evaluation of Commercial Enzyme Immunoassays for the Field Screening of TNT and RDX in Water (CRREL, 1997)	Dec-97	CRREL
Expedited Site Assessment Tools for Underground Storage Tank Sites : A Guide for Regulators (EPA Office of Solid Waste and Emergency Response, 1997)	3/1/1997	EPA Office of Solid Waste and Emergency Response
Expedited Site Characterization for Groundwater (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1998)	12/1/1998	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Fast Gas Chromatography/Mass Spectrometry Analysis in Support of Risk-Based Decisions (Field Analytical Chemistry and Technology, 1999)	1/1/1999	Field Analytical Chemistry and Technology
Federal Facilities Forum Issue: Field Sampling and Selecting On-Site Analytical Methods for Explosives in Soil (EPA Office of Solid Waste and Emergency Response, 1996)	11/1/1996	EPA Office of Solid Waste and Emergency Response
Field Analysis Manual (New Jersey Department of Environmental Protection, Robert C. Shinn Jr, Commissioner, 1994)	7/1/1994	New Jersey Department of Environmental Protection, Robert C. Shinn Jr, Commissioner
Field Analytical and Site Characterization Technologies - Summary of Applications (EPA Office of Solid Waste and Emergency Response, 1997)	11/1/1997	EPA Office of Solid Waste and Emergency Response
Field Analytical Measurement Technologies, Applications, and Selection (California Environmental Protection Agency, 1997)	7/1/1997	California Environmental Protection Agency
Field Methods Compendium (FMC) Draft (Office of Emergency and Remedial Response, Hazardous Site Evaluation Division, Analytical Operation Branch, 1996)	8/1/1996	Office of Emergency and Remedial Response, Hazardous Site Evaluation Division, Analytical Operation Branch
Field Portable GC/MS with Purge and Trap device for Groundwater and Soil and Direct Injection for Soil Gas (EPA Office of Research and Development Environmental Technology Verification Program, 1997)	12/1/1997	EPA Office of Research and Development Environmental Technology Verification Program

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Field Portable GC/MS with Spray-and-Trap Water Sampler for Groundwater, Direct Injection for Soil Gas, and Heated Headspace Analysis for Soil (EPA Office of Research and Development Environmental Technology Verification Program, 1997)	12/1/1997	EPA Office of Research and Development Environmental Technology Verification Program
Field Screening Method for Perchlorate in Water and Soil (U. S. Army Corps of Engineers - CRREL, 2004)	4/1/2004	U. S. Army Corps of Engineers - CRREL
Field Screening Methods Catalog, User Guide (EPA Office of Emergency and Remedial Response, 2001)	10/1/2001	EPA Office of Emergency and Remedial Response
Field Test of an Ultraviolet Differential Optical Absorption Spectrometer for Remote Air Toxics Sensing (EPA, 2001)	8/1/2001	EPA
Field-Portable GC with Electron Capture Detection and Computer Notebook for Groundwater (EPA Office of Research and Development Environmental Technology Verification Program, 1998)	11/1/1998	EPA Office of Research and Development Environmental Technology Verification Program
Field-Portable GC with Electron Capture Detection for Groundwater (EPA Office of Research and Development Environmental Technology Verification Program, 1998)	11/1/1998	EPA Office of Research and Development Environmental Technology Verification Program
Field-Portable GC/MS with Headspace Sampling Accessory for Groundwater (EPA Office of Research and Development Environmental Technology Verification Program, 1998)	11/1/1998	EPA Office of Research and Development Environmental Technology Verification Program
Field-Portable X-Ray Fluorescence Determinations of Metals in Post-Blast Ordnance Residues (U. S. Army Corps of Engineers - CRREL, 2004)	3/1/2004	U. S. Army Corps of Engineers - CRREL
Florida EPA: Rapid Site Assessment Applied to Florida Department of Environmental Protection's Drycleaning Solvent Cleanup Program	--	--
Fluoroimmunoassay for Soil and Solvent Extract (EPA Office of Research and Development Oak Ridge National Laboratory, 2001)	8/1/2001	EPA Office of Research and Development Oak Ridge National Laboratory
FRTR: Site Remediation Technology InfoBase: Guide to Federal Programs, Information Resources, and Publications on Contaminated Site Cleanup (2000)	6/1/2000	--
Future trends in environmental analysis: My Vision of the Organic Environmental Laboratory in the 21st Century	--	--
Gamma-Modeler 3-D Gamma-Ray Imaging Technology (U.S. Department of Energy, Office of Environmental Management, Office of Science and Technology, 2001)	8/1/2001	U.S. Department of Energy, Office of Environmental Management, Office of Science and Technology



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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
GC and Ion Mobility Spectrometry for Soil and Groundwater (EPA Office of Research and Development Oak Ridge National Laboratory and U.S. Department of Defense Environmental Security Technology Certification Program, 2000)	3/1/2000	EPA Office of Research and Development Oak Ridge National Laboratory and U.S. Department of Defense Environmental Security Technology Certification Program
GC and Thermionic Ionization Detection for Soil (EPA Office of Research and Development Oak Ridge National Laboratory and U.S. Department of Defense Environmental Security Technology Certification Program, 2001)	8/1/2001	EPA Office of Research and Development Oak Ridge National Laboratory and U.S. Department of Defense Environmental Security Technology Certification Program
GC with Purge-and-Trap Sample Introduction Method for Groundwater (EPA Office of Research and Development Environmental Technology Verification Program, 1998)	11/1/1998	EPA Office of Research and Development Environmental Technology Verification Program
Geophysical Techniques for Sensing Buried Wastes and Waste Migration (Environmental Monitoring Systems Laboratory, 1984)	6/1/1984	Environmental Monitoring Systems Laboratory
Geophysical Techniques to Locate DNAPLs: Profiles of Federally Funded Projects (EPA, 1998)	12/1/1998	EPA
GIS Technical Memorandum 3: Global Positioning Systems Technology and Its Application in Environmental Programs (EPA Office of Research and Development, 1992)	2/1/1992	EPA Office of Research and Development
Global Positioning Radiometric Scanner System for Surface Soils (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2002)	3/1/2002	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
GORE-SORBER Grab Sampler for Groundwater (EPA Office of Research and Development Environmental Technology Verification Program, 2000)	10/1/2000	EPA Office of Research and Development Environmental Technology Verification Program
Ground Penetrating Radar and Electrical Resistivity for Groundwater	--	--
Ground Penetrating Radar and Electromagnetics for Soil and Groundwater	--	--
Ground Penetrating Radar for Soil and Groundwater	--	--
Ground Penetrating Radar, Electromagnetics, and Magnetometry for Soil and Groundwater	--	--
Ground Water Sampling - A Workshop Summary (Robert S. Kerr Environmental Research Laboratory, 1993)	12/1/1993	Robert S. Kerr Environmental Research Laboratory
Ground-Water Modeling Compendium -Second Edition Model Fact Sheets, Descriptions, Applications and Cost Guidelines (U.S. EPA OSWER Information Management, 1994)	7/1/1994	U.S. EPA OSWER Information Management

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Groundwater Monitoring in Karst Terranes Recommended Protocols and Implicit Assumptions (Environmental Monitoring Systems Laboratory, 1989)	3/1/1989	Environmental Monitoring Systems Laboratory
Ground-Water Sampling Guidelines for Superfund and RCRA Project Managers (EPA Technology Innovation Office)	--	EPA Technology Innovation Office
Guidance for Choosing a Sampling Design for Environmental Data Collection (EPA Office of Environmental Information, 2000)	1/1/2000	EPA Office of Environmental Information
Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA Interim Final (EPA Office of Emergency and Remedial Response, 1988)	10/1/1988	EPA Office of Emergency and Remedial Response
Guidance for Data Quality Assessment: Practical Methods for Data Analysis (QA/G-9) (EPA Office of Environmental Information, 2000)	7/1/2000	EPA Office of Environmental Information
Guidance for Data Usability in Risk Assessment (Part A) Final (EPA Office of Research and Development, 1991)	12/1/1991	EPA Office of Research and Development
Guidance for Data Usability in Risk Assessment (Part B) Final (EPA Office of Emergency and Remedial Response, 1992)	5/1/1992	EPA Office of Emergency and Remedial Response
Guidance for Evaluating the Technical Impracticability of Ground-Water Restoration (EPA Office of Solid Waste and Emergency Response, 1993)	10/4/1993	EPA Office of Solid Waste and Emergency Response
Guidance for Methods Development and Methods Validation for the RCRA Program (EPA Office of Solid Waste and Emergency Response, 1993)	10/4/1993	EPA Office of Solid Waste and Emergency Response
Guidance for Performing Preliminary Assessments Under CERCLA (Office of Emergency and Remedial Response, Hazardous Site Evaluation Division, 1991)	9/1/1991	Office of Emergency and Remedial Response, Hazardous Site Evaluation Division
Guidance for Performing Site Inspections under CERCLA Interim Final (EPA Office of Emergency and Remedial Response, 1992)	9/1/1992	EPA Office of Emergency and Remedial Response
Guidance for Preparing Standard Operating Procedures (SOPs) (EPA Office of Environmental Information, 2001)	3/1/2001	EPA Office of Environmental Information
Guidance for Quality Assurance Project Plans for Modeling (QA/G-5M) (EPA, 2002)	12/1/2002	EPA
Guidance for the Data Quality Objectives Process EPA QA/G-4 (EPA Office of Research and Development, Quality Assurance Management Staff, 2000)	8/1/2000	EPA Office of Research and Development, Quality Assurance Management Staff

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Guidance for the Preparation of Standard Operating Procedures (SOPs) For Quality-Related Documents EPA QA/G-6 (EPA Office of Research and Development, 1995)	11/1/1995	EPA Office of Research and Development
Guidance on Accelerating CERCLA Environmental Restoration at Federal Facilities (EPA, 1994)	8/24/1994	EPA
Guidance on Environmental Data Verification and Data Validation (EPA, 2001)	6/1/2001	EPA
Guidance on Expediting Remedial Design and Remedial Action (U.S. EPA Office of Emergency and Remedial Response, 1990)	8/1/1990	U.S. EPA Office of Emergency and Remedial Response
Guidance on Quality Assurance Project Plans (QA/G-5) (EPA Office of Research and Development, 2002)	2/1/2002	EPA Office of Research and Development
Guidance on Technical Assessments for Environmental Data Operations (EPA Office of Environmental Information, 2000)	1/1/2000	EPA Office of Environmental Information
Guidance on Technical Audits and Related Assessments for Environmental Data Operations EPA QA/G-7 Final (Office of Environmental Information, 2000)	1/1/2000	Office of Environmental Information
Guidance on the Use of Passive-Vapor-Diffusion Samplers to Detect Volatile Organic Compounds in Ground-Water-Discharge Areas, and Example Applications in New England (EPA, 2002)	1/1/2002	EPA
Guide for Characterization of Sites Contaminated with Energetic Materials (U. S. Army Corps of Engineers - CRREL, 2002)	2/1/2002	U. S. Army Corps of Engineers - CRREL
Guide for Conducting Treatability Studies Under CERCLA (EPA, 1992)	1/1/1992	EPA
Guide to Site and Soil Description for Hazardous Waste Site Characterization Volume 1: Metals (Office of Research and Development, 1992)	3/1/1992	Office of Research and Development
Guideline for Dynamic Workplans and Field Analytics: The Keys to Cost-Effective Site Characterization and Cleanup (Robbat, Albert, Jr., Tufts University, Chemistry Department Center for Field Analytical Studies and Technology for EPA Region I, Office of Site Remediation and Restoration and Office Of Environmental Measurement and Evaluation)		
Guidelines for Preparing SAPs Using Systematic Planning and PBMS (2001)	2/1/2001	--
Guiding Principles for Monte Carlo Analysis (EPA Office of Research and Development Risk Assessment Forum, 1997)	3/1/1997	EPA Office of Research and Development Risk Assessment Forum
Handbook for Statistical Analysis of Environmental Background Data (U. S. Navy, 1999)	7/1/1999	U. S. Navy

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells (Environmental Monitoring Systems Laboratory, 1991)	3/1/1991	Environmental Monitoring Systems Laboratory
High Resolution Seismic Reflection for DNAPL (U.S. Department of Defense Environmental Security Technology Certification Program, 1999)	9/1/1999	U.S. Department of Defense Environmental Security Technology Certification Program
High Resolution Spectrometer Continuous Emissions Air Monitoring (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2000)	9/1/2000	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Hydrogeologic Data Fusion Software for Groundwater (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1999)	9/1/1999	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
HydroTechnics In Situ Flow Sensor (EPA, 2001)	9/1/2001	EPA
Immunoassay for Groundwater (EPA Office of Research and Development Oak Ridge National Laboratory and U.S. Department of Defense Environmental Security Technology Certification Program, 2000)	3/1/2000	EPA Office of Research and Development Oak Ridge National Laboratory and U.S. Department of Defense Environmental Security Technology Certification Program
Immunoassay Methods In SW-846: Recommended Format And Content For Documentation Supporting New Submittals (EPA, 1995)	7/1/1995	EPA
Immunoassay Rapid Sediment Characterization Tool (Naval Facilities Engineering Command, 2001)	6/1/2001	Naval Facilities Engineering Command
Immunoassay Test Kit with Latex Particles for Soil and Solvent Extract (EPA Office of Research and Development National Exposure Research Laboratory, 1998)	8/1/1998	EPA Office of Research and Development National Exposure Research Laboratory
Immunosensors for Groundwater and Soil (U.S. Department of Defense Environmental Security Technology Certification Program, 2000)	9/1/2000	U.S. Department of Defense Environmental Security Technology Certification Program
Improving Laboratory Performance Through Scientific Subsampling Techniques (2001)	1/1/2001	--
Improving Sampling, Analysis, and Data Management for Site Investigation and Cleanup (EPA, 2001)	4/1/2001	EPA
Improving Site Assessment: Abbreviated Preliminary Assessments (EPA Office of Solid Waste and Emergency Response, 1999)	10/1/1999	EPA Office of Solid Waste and Emergency Response
Improving Site Assessment: Combined PA/SI Assessments (EPA Office of Solid Waste and Emergency Response, Office of Emergency and Remedial Response, 1999)	10/1/1999	EPA Office of Solid Waste and Emergency Response, Office of Emergency and Remedial Response

**Table A-1**  
**Alphabetical Listing of Documents in the Beta Version of the Site Characterization Library Version 3.0**

<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Improving Site Assessment: Integrating Removal and Remedial Site Evaluations (EPA Office of Solid Waste and Emergency Responses, Office of Emergency and Remedial Response, 2000)	4/1/2000	EPA Office of Solid Waste and Emergency Responses, Office of Emergency and Remedial Response
Improving Site Assessment: Pre-CERCLIS Screening Assessments (EPA Office of Solid Waste and Emergency Response, 1999)	10/1/1999	EPA Office of Solid Waste and Emergency Response
Improving the Cost-Effectiveness of Hazardous Waste Site Characterization and Monitoring (Crumbling, Deana M., 2000)	6/12/2000	Crumbling, Deana M.
In Search of Representativeness: Evolving the Environmental Data Quality Model (2002)	10/1/2002	--
In Situ Permeable Flow Sensor for Groundwater (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1998)	2/1/1998	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Innovations in Site Characterization Case Study: Site Cleanup of the Wenatchee Tre Fruit Test Plot Site Using a Dynamic Work Plan (EPA Office of Solid Waste and Emergency Response, 2000)	8/1/2000	EPA Office of Solid Waste and Emergency Response
Innovations in Site Characterization Case Study: Hanscom Air Force Base, Operable Unit 1 (Sites 1, 2, and 3) (EPA Office of Solid Waste and Emergency Response, 1998)	9/1/1998	EPA Office of Solid Waste and Emergency Response
Innovations in Site Characterization, Interim Guide to Preparing Case Studies (EPA, 1998)	10/1/1998	EPA
Innovations in Site Characterization: Case Study: Dexsil L2000 PCB/Chloride Analyzer for Drum Surfaces (EPA Office of Solid Waste and Emergency Response, 1999)	5/1/1999	EPA Office of Solid Waste and Emergency Response
Innovations in Site Characterization: Geophysical Investigation at Hazardous Waste Sites (USEPA, 2000)	8/1/2000	EPA Office of Solid Waste and Emergency Response
Innovations in Site Characterization: Technology Evaluation: Real-time VOC Analysis Using a Field Portable GC/MS (EPA Office of Solid Waste and Emergency Response, 2001)	8/1/2001	EPA Office of Solid Waste and Emergency Response
Innovative Technology Evaluation Report: Clor-N-Soil PCB Test Kit, Dexsil Corp. (EPA, 1995)	1/1/1995	EPA
Innovative Technology Evaluation Report: EnviroGard PCB Test Kit, Millipore, Inc. (EPA, 1995)	1/1/1995	EPA
Innovative Technology Evaluation Report: Field Analytical Screening Program: PCP Method (EPA, 1995)	1/1/1995	EPA
Innovative Technology Evaluation Report: PCP Immunoassay Technologies (EPA, 1995)	1/1/1995	EPA

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Innovative Technology Summary Report: Expedited Site Characterization (U.S. Department of Energy, Office of Environmental Management, Office of Science and Technology, 1998)	12/1/1998	U.S. Department of Energy, Office of Environmental Management, Office of Science and Technology
Interim Final RCRA Facility Investigation (RFI) Guidance Volume I of IV; Development of an RFI Work Plan and General Considerations for RCRA Facility Investigations (Waste Management Division, Office of Solid Waste, 1989)	5/1/1989	Waste Management Division, Office of Solid Waste
Interim Final RCRA Facility Investigation (RFI) Guidance Volume II of IV; Soil, Groundwater and Subsurface Gas Releases (Waste Management Division, Office of Solid Waste, 1989)	5/1/1989	Waste Management Division, Office of Solid Waste
Interim Final RCRA Facility Investigation (RFI) Guidance Volume III of IV; Air and Surface Water Releases (Waste Management Division, Office of Solid Waste, 1989)	5/1/1989	Waste Management Division, Office of Solid Waste
Interim Final RCRA Facility Investigation (RFI) Guidance Volume IV of IV; Case Study Examples (Waste Management Division, Office of Solid Waste, 1989)	2/1/1989	Waste Management Division, Office of Solid Waste
Investigation Versus Remediation: Perception And Reality	--	--
Ion-Specific Electrode Analyzer for Drum Surfaces (EPA Office of Solid Waste and Emergency Response, 1999)	5/1/1999	EPA Office of Solid Waste and Emergency Response
Ion-Specific Electrode Analyzer for Soil, Groundwater, Transformer Oils, and Surface Wipes (EPA Office of Research and Development Oak Ridge National Laboratory, 2001)	8/1/2001	EPA Office of Research and Development Oak Ridge National Laboratory
Kabis Sampler Grab Sampler for Groundwater (EPA Office of Research and Development Environmental Technology Verification Program, 2000)	6/1/2000	EPA Office of Research and Development Environmental Technology Verification Program
Large Area Plastic Scintillation Detector and GPS System for Soil (U.S. Department of Defense Environmental Security Technology Certification Program, 2000)	2/1/2000	U.S. Department of Defense Environmental Security Technology Certification Program
Large Bore Soil Sampler for Discrete Samples (EPA Office of Research and Development Environmental Technology Verification Program, 1998)	8/1/1998	EPA Office of Research and Development Environmental Technology Verification Program
Laser Fluorescence Probe for Soil and Groundwater (EPA Office of Research and Development National Risk Management and Research Laboratory, 1999)	6/1/1999	EPA Office of Research and Development National Risk Management and Research Laboratory
Laser Induced Breakdown Spectroscopy Cone Penetrometer System for Soil (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2000)	3/1/2000	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Laser Induced Fluorescence Sensor for Soil (EPA Office of Research and Development National Exposure Research Laboratory)	--	EPA Office of Research and Development National Exposure Research Laboratory
Leak Detection for Landfill Liners: Overview of Tools for Vadose Zone Monitoring (EPA Technology Innovation Office, 1998)	8/1/1998	EPA Technology Innovation Office
Liquid Scintillation Counter for Radionuclide Swipes (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2001)	7/1/2001	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Locational Data Policy Implementation Guidance Guide to Selecting Latitude/Longitude Collection Methods (Administration and Resource Management, 1992)	3/1/1992	Administration and Resource Management
Long Term Monitoring Optimization at Marine Corps Base, Camp Lejeune, Onslow County, NC (Naval Facilities Engineering Service Center, 1999)	8/1/1999	Naval Facilities Engineering Service Center
Long Term Monitoring Optimization at Naval Air Station, Patuxent River, MD (Naval Facilities Engineering Service Center, 1999)	8/1/1999	Naval Facilities Engineering Service Center
Long Term Monitoring Optimization at the Naval Weapons Industrial Reserve Plant, Dallas, TX (Naval Facilities Engineering Service Center, 1999)	9/1/1999	Naval Facilities Engineering Service Center
Long Term Monitoring Optimization of the Eastern Plume at the Naval Air Station, Brunswick, Maine (Naval Air Station, Brunswick, Maine, 1999)	7/1/1999	Naval Air Station, Brunswick, Maine
Long Term Monitoring Optimization of the Former Sludge Drying Beds and Surge Pond Site at the Naval Air Station, Pensacola, Florida (NAS Pensacola, FL, 1999)	7/1/1999	NAS Pensacola, FL
Long Term Monitoring Optimization of the Former Sludge Drying Beds at the Marine Corps Logistics Base, Albany, Georgia (MCLB Albany, GA, 1999)	7/1/1999	MCLB Albany, GA
Long-Term Groundwater Monitoring Program Guidance (Site Characterization Process Action Team, 1994)	3/1/1994	Site Characterization Process Action Team
Long-Term, Post-Closure Radiation Monitor for Soil and Groundwater (U.S. Department of Energy National Energy Technology Laboratory, 2001)	10/1/2001	U.S. Department of Energy National Energy Technology Laboratory
Low Concentration Method for the Determination of Perchlorate in Aqueous Samples Using Ion Selective Electrodes (EPA, 2001)	10/2/2001	EPA
Low-Range Differential Pressure Leak Detection System for Small Leaks in Bulk Fuel Tanks (US DoD)	--	US DoD

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Magnetometer Towed Array for Buried Waste (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1999)	9/1/1999	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Magnetometry, Electromagnetics, Natural Gamma Logging, and Soil Gas Analysis Technologies for Soil	--	--
Managing Uncertainty in Environmental Decisions (Crumbling, D. M., C. Groenjes, B. Lesnik, K. Lynch, J. Shockley, J. Van Ee, R. Howe, L. Keith, and J. McKenna, 2001)	10/1/2001	Crumbling, D. M., C. Groenjes, B. Lesnik, K. Lynch, J. Shockley, J. Van Ee, R. Howe, L. Keith, and J. McKenna
Managing Uncertainty in Environmental Decisions (short version) (Crumbling, Deana M. and others, 2001)	10/1/2001	Crumbling, Deana M. and others
McCormick and Baxter Superfund Site Case Study: Stockton, California (US EPA Office of Solid Waste and Emergency Response)		US EPA Office of Solid Waste and Emergency Response
Membrane Rapid Sampling Technology for Groundwater (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2000)	1/1/2000	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Method Validation Issues for the Resource Conservation and Recovery Act Program Validation (Barry Lesnik, October 2000)	10/1/2002	Barry Lesnik
Methods for Evaluating the Attainment of Cleanup Standards Volume 1: Soil (EPA Office of Policy, Planning, and Evaluation, 1989)	2/1/1989	EPA Office of Policy, Planning, and Evaluation
Methods for Evaluating the Attainment of Cleanup Standards Volume 2: Groundwater (EPA Office of Policy, Planning, And Evaluation, 1992)	7/1/1992	EPA Office of Policy, Planning, And Evaluation
Methods for Monitoring Pump-And-Treat Performance (Robert S. Kerr Environmental Research Laboratory, 1994)	6/1/1994	Robert S. Kerr Environmental Research Laboratory
Methods Manual for Bottom Sediment Sample Collection (U.S. Environmental Protection Agency Region V Great Lakes National Program Office, 1985)	5/1/1985	U.S. Environmental Protection Agency Region V Great Lakes National Program Office
Modified Direct Push Well Installation for Groundwater (Naval Facilities Engineering Command, 1998)	6/1/1998	Naval Facilities Engineering Command
Multi-gas Photoacoustic Infrared Monitor for Groundwater (EPA Office of Research and Development Environmental Technology Verification Program, 1998)	11/1/1998	EPA Office of Research and Development Environmental Technology Verification Program
Multi-level Sampler for Groundwater (EPA Office of Research and Development Environmental Technology Verification Program, 2000)	8/1/2000	EPA Office of Research and Development Environmental Technology Verification Program



**Table A-1**  
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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Multisensor Dig Face Characterization for Radioactive Waste (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1999)	9/1/1999	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Multi-Sensor Towed Array Detection System (U.S. Department of Defense Environmental Security Technology Certification Program, 1999)	9/1/1999	U.S. Department of Defense Environmental Security Technology Certification Program
Multispecies Reactive Tracer Test for Groundwater (EPA Office of Research and Development National Risk Management and Research Laboratory, 2001)	3/1/2001	EPA Office of Research and Development National Risk Management and Research Laboratory
Natural Gamma Logging, Magnetometry, and Electrical Conductivity Technologies for Soil and Groundwater	--	--
Naval Industrial Reserve Ordnance Plant (NIROP), Fridley, MN (Naval Facilities Engineering Service Center, 1999)	2/1/1999	Naval Facilities Engineering Service Center
New Jersey EPA: Alternative Ground Water Sampling Techniques Guide	--	--
On Site Method for Measuring Nitroaromatic and Nitroamine Explosives in Soil and Groundwater Using GC-NPD: Feasibility Study (U. S. Army Corps of Engineers - CRREL, 1999)	8/1/1999	U. S. Army Corps of Engineers - CRREL
On-Line Real Time Alpha Radiation Measuring Instrument (U.S. Department of Energy, Office of Environmental Management, Office of Science and Technology, 2000)	4/1/2000	U.S. Department of Energy, Office of Environmental Management, Office of Science and Technology
On-Site Analysis for High Concentrations of Explosives in Soil (CRREL, 1996)	May-96	CRREL
On-Site Analysis of Explosives in Soil (CRREL, 1997)	Aug-97	CRREL
On-Site Method for Measuring Nitroaromatic Explosives in Soil and Groundwater Using GC-NPD (CRREL, 1999)	Aug-99	CRREL
On-Site Processing and Subsampling of Surface Soil Samples for the Analysis of Explosives (ERDC/CRREL TR-03-14) (CRREL, 2003)	8/1/2003	CRREL
Operation and Maintenance in the Superfund Program (EPA, 2001)	5/1/2001	EPA
Overview of Methods for Evaluating the Attainment of Cleanup Standards for Soils, Soil Media, and Groundwater, EPA Volumes 1, 2, and 3 (U.S. Environmental Protection Agency, 1996)		
Overview of On-Site Analytical Methods for Explosives in Soil (CRREL, 1998)	Feb-98	CRREL
Overview of the EPA Quality System (EPA Office of Environmental Information Quality Staff, 2000)	9/1/2000	EPA Office of Environmental Information Quality Staff
PA Review Checklist (1993)	4/1/1993	--

**Table A-1**  
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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Passive Diffusion Bag Samplers (PDB) for Monitoring VOCs in Wells: User's Guide for Polyethylene-Based Passive Diffusion Bag Samplers to Obtain Volatile Organic Compound Concentrations in Wells (2001)	1/1/2001	--
Passive Soil Gas Sampling System (EPA Office of Research and Development Environmental Technology Verification Program, 1998)	8/1/1998	EPA Office of Research and Development Environmental Technology Verification Program
Peer Review of Guidance for Choosing a Sampling Design for Environmental Data Collection (EPA QA/G-5S) (EPA Office of Environmental Information Quality Staff, 2000)	8/25/2000	EPA Office of Environmental Information Quality Staff
Performance Monitoring of MNA Remedies for VOCs in Ground Water (EPA 600-R-04-027)		
Permit Guidance Manual on Unsaturated Zone Monitoring for Hazardous Wastes Land Treatment Units Final Report (U.S. Environmental Protection Agency, 1986)	10/1/1986	U.S. Environmental Protection Agency
Photodetector Fiber-Optic Sensor for Soil (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1998)	12/1/1998	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Physical and Chemical Factors Affecting Contaminant Hydrology in Cold Environments (U. S. Army Corps of Engineers - CRREL, 2000)	12/1/2000	U. S. Army Corps of Engineers - CRREL
Pipeline Slurry Monitors for Sludge (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1999)	9/1/1999	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Point-Source Energetics Detection: Initial Sensor Evaluation (U. S. Army Corps of Engineers - CRREL, 2004)	4/1/2004	U. S. Army Corps of Engineers - CRREL
Policy and Program Requirements to Implement the Mandatory Quality Assurance Program (EPA Office of Environmental Information, 2000)	5/1/2000	EPA Office of Environmental Information
Position Specific Sampling Technique for Soil (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1997)	10/1/1997	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Position-Sensitive Radiation Monitor for Flat Open Areas or Smooth Surfaces (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1999)	6/1/1999	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Practical Aspects of Applying Geostatistics at Hazardous, Toxic, and Radioactive Waste Sites (USACE, 1997)	6/1/1997	USACE

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Preparation of Soil Sampling Protocols: Sampling Techniques and Strategies (Office of Research and Development, 1992)	7/1/1992	Office of Research and Development
Preparing Perfect Project Plans: A Pocket Guide for the Preparation of Quality Assurance Project Plans (Risk Reduction Engineering Laboratory, 1989)	10/1/1989	Risk Reduction Engineering Laboratory
Procedural Guidance for Statistically Analyzing Environmental Background Data (U. S. Navy, 1998)	1/1/1998	U. S. Navy
Public-Private Partnership Program for Evaluating Innovative Technologies (EPA, 1996)	1/1/1996	EPA
Quality Assurance Guidance for Conducting Brownfields Site Assessments (EPA Office of Solid Waste and Emergency Response, 1998)	9/1/1998	EPA Office of Solid Waste and Emergency Response
Radiation Exposure and Risks Assessment Manual [RERAM] (U.S. EPA Office of Radiation and Indoor Air, 1996)	6/1/1996	U.S. EPA Office of Radiation and Indoor Air
Raman Spectroscopy Probe for High-Level Waste in Soil or Groundwater (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1999)	7/1/1999	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Rapid Optical Screening Tool for Soil (EPA Office of Research and Development National Exposure Research Laboratory)	--	EPA Office of Research and Development National Exposure Research Laboratory
Rapid Sampling Using 3M Membrane Technology (U.S. Department of Energy, Office of Environmental Management, Office of Science and Technology, 2000)	1/1/2000	U.S. Department of Energy, Office of Environmental Management, Office of Science and Technology
Rationale for the Assessment of Errors in the Sampling of Soils (EPA Office of Research and Development, Environmental Monitoring Research Laboratory, 1990)		
RCRA Corrective Action Plan (EPA Office of Waste Programs Enforcement, Office of Solid Waste, 1994)	5/1/1994	EPA Office of Waste Programs Enforcement, Office of Solid Waste
RCRA Facility Assessment Guidance (EPA Office of Solid Waste and Emergency Response, 1986)	10/1/1986	EPA Office of Solid Waste and Emergency Response
RCRA Groundwater Monitoring: Draft Technical Guidance (EPA Office of Solid Waste, 1992)	11/1/1992	EPA Office of Solid Waste
RCRA Waste Sampling Draft Technical Guidance: Planning, Implementation, and Assessment (EPA Office of Solid Waste, 2002)	8/1/2002	EPA Office of Solid Waste
Recommended guidelines for applying field screen methods in conducting expedited site investigations at underground storage tank sites in Connecticut (University of Connecticut, 1996)	11/30/1996	University of Connecticut

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Recommended guidelines for multilevel sampling of soil and groundwater for conducting expedited site investigations at underground storage tank sites in Connecticut (University of Connecticut, 1997)	3/12/1997	University of Connecticut
Relationship Between SW-846, PBMS and Innovative Analytical Technologies (EPA Technology Innovation Office, 2000)	12/1/2000	EPA Technology Innovation Office
Remediations Standards Guidance Under the Delaware Hazardous Substance cleanup Act (1999)	12/1/1999	--
Remote Minefield Detection System (U.S. Department of Defense Environmental Security Technology Certification Program, 1999)	9/1/1999	U.S. Department of Defense Environmental Security Technology Certification Program
Representative Sampling for Energetic Compounds at an Antitank Firing Range (U. S. Army Corps of Engineers - CRREL, 2004)	4/1/2004	U. S. Army Corps of Engineers - CRREL
Resource for MGP Site Characterization and Remediation: Expedited Site Characterization and Source Remediation at Former Manufactured Gas Plant Sites (EPA)	5/1/1999	EPA Office of Solid Waste and Emergency Response
Resources for Strategic Site Investigation and Monitoring (EPA Office of Solid Waste and Emergency Response, 2001)	9/1/2001	EPA Office of Solid Waste and Emergency Response
Review and Analysis of Parameters for Assessing Transport of Environmentally Released Radionuclides through Agriculture. ORNL-5786 (Oak Ridge National Laboratory (Baes, C.F., Shar, R.D., Sjoreen, A.L. and Shor, R.W.), 1984)		
Ribbon Sampler for DNAPL (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2000)	4/1/2000	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Risk Assessment Handbook Volume I: Human Health Evaluation (Department of the Army U.S. Army Corps of Engineers, 1999)	1/31/1999	Department of the Army U.S. Army Corps of Engineers
Risk Assessment Handbook Volume II: Environmental Evaluation (Department of the Army U.S. Army Corps of Engineers, 1996)	6/30/1996	Department of the Army U.S. Army Corps of Engineers
Risk Based, Goal Oriented Sampling at Multiple Sites (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1999)	9/1/1999	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Road Map to Understanding Innovative Technology Options for Brownfields Investigation and Cleanup, Third Edition and Tool Kit of Information Resources for Brownfields Investigation and Cleanup (EPA Technology Innovation Office, 2000)	10/1/2000	EPA Technology Innovation Office
Sample Collection and Preparation Strategies for Volatile Organic Compound (VOC) in Solids (U.S. Army Corps of Engineers, 1998)	10/1/1998	U.S. Army Corps of Engineers

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Sample Collection and Preparation Strategies for Volatile Organic Compounds in Solids (USACE, 1998)	--	US Army Corps of Engineers
SamplEase Bladder Pump for Groundwater (EPA Office of Research and Development Environmental Technology Verification Program, 2000)	8/1/2000	EPA Office of Research and Development Environmental Technology Verification Program
Samplers and Sampling Procedures for Hazardous Waste Streams (Municipal Environmental Research Laboratory Office of Research and Development, 1980)	1/1/1980	Municipal Environmental Research Laboratory Office of Research and Development
Sampling and On-Site Analytical Methods for Volatiles in Soil and Groundwater: Field Guidance Manual (U. S. Army Corps of Engineers - CRREL, 1999)	11/1/1999	U. S. Army Corps of Engineers - CRREL
Sampling Frequency for Ground-Water Quality Monitoring (Environmental Monitoring Systems Laboratory, 1989)	7/1/1989	Environmental Monitoring Systems Laboratory
Sediment Sampling Quality Assurance User's Guide (Environmental Monitoring Systems Laboratory, 1985)	7/1/1985	Environmental Monitoring Systems Laboratory
Seismic Reflection Survey, Ground Penetrating Radar, Natural Gamma logging, and Electromagnetic Borehole Logging for Soil and Groundwater	--	--
Seminar on Regional Consideration for Dense Nonaqueous Phase Liquids at Hazardous Waste Sites: Implementation and Enforcement Issues Presentation Slide Hardcopy (Office of Emergency and Remedial Response, 1993)	5/1/1993	Office of Emergency and Remedial Response
Seminar Publication Site Characterization for Subsurface Remediation (Office of Research and Development, 1991)	11/1/1991	Office of Research and Development
Semi-Quantitative, Analyte-Specific Immunoassay Kit for Soil (EPA Office of Research and Development National Exposure Research Laboratory, 1998)	8/1/1998	EPA Office of Research and Development National Exposure Research Laboratory
Site Characterization and Analysis Penetrometer System (SCAPS) Heavy Metal Sensors (EPA, 2003)	4/1/2003	EPA
Site Characterization and Analysis Penetrometer System for Soil (U.S. Department of Defense Environmental Security Technology Certification Program, 1997)	3/1/1997	U.S. Department of Defense Environmental Security Technology Certification Program
Site Characterization and Monitoring Technologies: Bibliography of EPA Information Resources (EPA)	--	EPA
Site Characterization Guidance Document - Draft (Connecticut Department of Environmental Protection, Bureau of Water Management, 2000)	6/12/2000	Connecticut Department of Environmental Protection, Bureau of Water Management

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Soil Gas Sampling System for Shallow Deployment (EPA Office of Research and Development Environmental Technology Verification Program, 1998)	8/1/1998	EPA Office of Research and Development Environmental Technology Verification Program
Soil Sample Handling and Data Comparability	--	--
Soil Sampling Quality Assurance User's Guide Second Edition (Environmental Monitoring Systems Laboratory, 1989)	3/1/1989	Environmental Monitoring Systems Laboratory
Soil Screening Guidance for Radionuclides: Technical Background Document (EPA Office of Radiation and Indoor Air, 2000)	1/1/2000	EPA Office of Radiation and Indoor Air
Soil Screening Guidance for Radionuclides: User's Guide (EPA Office of Radiation and Indoor Air, 2000)	1/1/2000	EPA Office of Radiation and Indoor Air
Soil Screening Guidance User's Guidance Second Edition (Office of Solid Waste and Emergency Response, 1996)	7/1/1996	Office of Solid Waste and Emergency Response
Soil-Gas and Geophysical Techniques for Detection of Subsurface Contamination (Environmental Monitoring Systems Laboratory, P.O. Box 93478, 1987)	12/1/1987	Environmental Monitoring Systems Laboratory, P.O. Box 93478
Soil-Vapor Versus Discrete Soil Sample Measurements for VOCs in the Near-Surface Vadose Zone: Feasibility Study (U. S. Army Corps of Engineers - CRREL, 1998)	6/1/1998	U. S. Army Corps of Engineers - CRREL
Spectral Gamma Probe for Soil and Groundwater (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2000)	7/1/2000	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Spectrometer Monitor for Transuranics in Glass (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2001)	1/1/2001	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
State-of-the Practice of Characterization and Remediation of Contaminated Ground Water at Fractured Rock Sites (EPA)	--	EPA
Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities Interim Final Guidance (Office of Solid Waste Management Division, 1989)	4/1/1989	Office of Solid Waste Management Division
Statistical Method for Evaluating The Attainment of Cleanup Standards: Volume 3: Reference-Based Standards for Soils and Solid Media (Policy, Planning, And Evaluation, 1992)	12/1/1992	Policy, Planning, And Evaluation
Streamlined Approach for Environmental Restoration (SAFER) Pilot Project (U.S. Department of Energy and U.S. Environmental Protection Agency, 1996)	1/1/1996	U.S. Department of Energy and U.S. Environmental Protection Agency

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**Alphabetical Listing of Documents in the Beta Version of the Site Characterization Library Version 3.0**

<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Study of Five Discrete Interval-Type Groundwater Sampling Devices (U. S. Army Corps of Engineers - CRREL, 2002)	8/1/2002	U. S. Army Corps of Engineers - CRREL
Subsoil Probe for Continuous or Discrete Samples (EPA Office of Research and Development National Exposure Research Laboratory, 1998)	8/1/1998	EPA Office of Research and Development National Exposure Research Laboratory
Subsurface Remediation: Improving Long-Term Monitoring and Remedial Systems Performance Conference Proceedings (EPA)	--	EPA
Summary of Recent Improvements in Methods for the Study of Contaminated and Potentially Contaminated Sites (EPA Office of Solid Waste and Emergency Response, 1997)	12/12/1997	EPA Office of Solid Waste and Emergency Response
Superfund Accelerated Cleanup Model (SACM) Superfund Hotline Training Module (EPA, 1992)	1/1/1992	EPA
Superfund Innovative Technology Evaluation (SITE) Technology Profiles - Tenth Edition (EPA, 1999)	2/1/1999	EPA
Superfund Lead-Contaminated Residential Sites Handbook (OSWER 9285.7-50) (EPA Office of Solid Waste and Emergency Response, 2003)	8/1/2003	EPA Office of Solid Waste and Emergency Response
Superfund Program Representative Sampling Guidance Volume 1: Soil Interim Final (Environmental Response Team Office of Emergency and Remedial Response, 1995)	12/1/1995	Environmental Response Team Office of Emergency and Remedial Response
Superfund Program Representative Sampling Guidance Volume 2: Air (Short-Term Monitoring) Interim Final (Environmental Response Team Office of Emergency and Remedial Response, 1995)	12/1/1995	Environmental Response Team Office of Emergency and Remedial Response
Superfund Program Representative Sampling Guidance Volume 3: Biological Interim Final (Environmental Response Team Office of Emergency and Remedial Response, 1997)	5/1/1997	Environmental Response Team Office of Emergency and Remedial Response
Superfund Program Representative Sampling Guidance Volume 4: Waste Interim Final (Environmental Response Team Office of Emergency and Remedial Response, 1995)	12/1/1995	Environmental Response Team Office of Emergency and Remedial Response
Superfund Program Representative Sampling Guidance Volume 5: Water and Sediment; Part 1: Surface Water and Sediment Interim Final (Environmental Response Team Office of Emergency and Remedial Response, 1995)	12/1/1995	Environmental Response Team Office of Emergency and Remedial Response
Superfund Program Representative Sampling Guidance Volume 5: Water and Sediment; Part 2: Groundwater Interim Final (Environmental Response Team Office of Emergency and Remedial Response, 1995)	12/1/1995	Environmental Response Team Office of Emergency and Remedial Response

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**Alphabetical Listing of Documents in the Beta Version of the Site Characterization Library Version 3.0**

<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Superfund Removal: Action Memorandum Guidance (EPA Office of Solid Waste and Resource Management, 1990)	9/1/1990	EPA Office of Solid Waste and Resource Management
Surface Acoustic Wave Detector for Soil and Solvent Extract (EPA Office of Research and Development National Exposure Research Laboratory, 1998)	8/1/1998	EPA Office of Research and Development National Exposure Research Laboratory
Surface Acoustic Wave GC System for Air, Soil and Groundwater (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 1998)	7/1/1998	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Surface Plasmon Resonance Biosensor for Soil (EPA Office of Research and Development Oak Ridge National Laboratory and U.S. Department of Defense Environmental Security Technology Certification Program, 2001)	8/1/2001	EPA Office of Research and Development Oak Ridge National Laboratory and U.S. Department of Defense Environmental Security Technology Certification Program
SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods (EPA)	--	EPA
Technical Assistance Directory (EPA Office of Research and Development, 1997)	10/1/1997	EPA Office of Research and Development
Technical Project Planning (TPP) Process (U. S. Army Corps of Engineers, 1998)	8/1/1998	U. S. Army Corps of Engineers
Technical Protocol for Implementing Intrinsic Remediation with Long-Term Monitoring for Natural Attenuation of Fuel Contamination Dissolved in Groundwater (AFCEE, 1995)	11/1/1995	AFCEE
Thallium Activated Sodium Iodide Detector for Paint and Soil (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2001)	5/1/2001	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Thermal Desorption for VOCs in Soil (U.S. Army Environment Center, 2000)	1/1/2000	U.S. Army Environment Center
Tomographic Site Characterization Using CPT, ERT, and GPR (U.S. Department of Energy, Office of Environmental Management, Office of Science and Technology, 2000)	4/1/2000	U.S. Department of Energy, Office of Environmental Management, Office of Science and Technology
Tracer Gas for Subsurface Barriers (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2000)	9/1/2000	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology
Tri-Service Site Characterization and Analysis Penetrometer System (SCAPS) Hydrosparge Volatile Organic Compound Sensor (US DoD, 2001)	9/1/2001	US DoD
Tri-Service Site Characterization and Analysis Penetrometer System (SCAPS) Membrane Interface Probe (US DoD, 2002)	11/1/2002	US DoD



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Tri-Service Site Characterization and Analysis Penetrometer System (SCAPS) Thermal Desorption Sampler for Volatile Organic Compounds (US DoD, 2001)	2/1/2001	US DoD
Uncertainty Management: Expediting Cleanup Through Contingency Planning (EPA)	--	EPA
USACE Study of Groundwater Sampling Devices: Study of Five Discrete Interval-Type Groundwater Sampling Devices (US Army Corps of Engineers® Engineer Research and Development Center, 2002)	8/1/2002	US Army Corps of Engineers® Engineer Research and Development Center
Use of Airborne, Surface, and Borehole Geophysical Techniques at Contaminated Sites A Reference Guide (Office of Research and Development, 1993)	9/1/1993	Office of Research and Development
USEPA Air/Superfund National Technical Guidance Study Series. Assessing Potential Indoor Air Impacts for Superfund Sites. (EPA Office of Air Quality, Planning and Standards, 1992)	1/1/1992	EPA Office of Air Quality, Planning and Standards
USEPA Air/Superfund National Technical Guidance Study Series. Guideline for Predictive Baseline Emissions Estimation for Superfund Sites (U.S. EPA Office of Air Quality, Planning and Standards, 1995).	1995	U.S. EPA Office of Air Quality, Planning and Standards
USEPA: Application of Field-Based Characterization Tools in the Waterfront Voluntary Setting	--	--
USEPA: Consortium for Site Characterization Technology Fact Sheet (EPA, 1997)	11/1/1997	EPA
USEPA: Quality Manual for Environmental Programs, EPA Order 5360.a1 (EPA, 2000)	5/5/2000	EPA
Using Dynamic Field Activities for On-Site Decision Making: A (EPA Office of Solid Waste and Emergency Response, 2003)	May-03	EPA Office of Solid Waste and Emergency Response
Using Field Methods - Experiences and Lessons: Defensibility of Field Data (1999)	4/1/1999	--
Using the Triad Approach to Improve the Cost-effectiveness of Hazardous Waste Site Cleanups (EPA Technology Innovation Office, 2001)	10/1/2001	EPA Technology Innovation Office
UV Fluorescence for Marine Sediment (Naval Facilities Engineering Command, 2000)	2/1/2000	Naval Facilities Engineering Command
UXO Detection at Jefferson Proving Ground Using Ground Penetrating Radar (U. S. Army Corps of Engineers - CRREL, 2000)	4/1/2000	U. S. Army Corps of Engineers - CRREL
Vertical Profiling at Nellis Air Force Base, Site 46, Las Vegas, NV (EPA, 2003)	6/1/2003	EPA
Vertical Seismic Profile of Soil and Groundwater	--	--
Well Wizard Bladder Pump for Groundwater (EPA Office of Research and Development Environmental Technology Verification Program, 2000)	8/1/2000	EPA Office of Research and Development Environmental Technology Verification Program
Whole-Cell Bacterial Biosensors and the Detection of Bioavailable Arsenic (2003)	8/1/2003	--

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<b>Title</b>	<b>Date of Publication</b>	<b>Author or Sponsoring Organization</b>
Wireline Cone Penetrometer for Soil (U.S. Department of Energy National Energy Technology Laboratory, 2001)	10/1/2001	U.S. Department of Energy National Energy Technology Laboratory
X-Ray Fluorescence Analyzer for Soil (EPA Office of Research and Development, 1998)	3/1/1998	EPA Office of Research and Development
X-Ray Fluorescence Analyzer for Soil, Sludge, and Solids (EPA Office of Research and Development, 1998)	3/1/1998	EPA Office of Research and Development
X-Ray Fluorescence Analyzer with a Single Radioactive Source for Soil (EPA Office of Research and Development, 1998)	3/1/1998	EPA Office of Research and Development
X-Ray Fluorescence Analyzer with Lithium-Drifted Silicon Detector for Soil (EPA Office of Research and Development, 1998)	3/1/1998	EPA Office of Research and Development
X-Ray Fluorescence Analyzer with Surface Analysis Probe System for Soil, Sludge, and Solids (EPA Office of Research and Development, 1998)	3/1/1998	EPA Office of Research and Development
X-Ray Fluorescence Analyzers with Mercuric Iodide Semiconductor Detectors for Lead and Other Metals in Soil (EPA Office of Research and Development, 1998)	3/1/1998	EPA Office of Research and Development
X-Ray Fluorescence Rapid Sediment Characterization Tool (Naval Facilities Engineering Command, 2000)	2/1/2000	Naval Facilities Engineering Command
X-Ray, K-Edge Detection System for Piping and Ducts (U.S. Department of Energy Office of Environmental Management, Office of Science and Technology, 2000)	4/1/2000	U.S. Department of Energy Office of Environmental Management, Office of Science and Technology